

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An apparatus operable to convert digital content metadata comprising:

a mapping module for converting received external digital content metadata into digital content metadata peculiar to a network; and

a search module for locating a Uniform Resource Locator (URL) using a unique identifier, wherein the unique identifier is pre-assigned to each program and is in a format of, in the received external digital content metadata and without further conversion into the metadata peculiar to the network, identifies said URL, said URL accessing a program in the received external digital content metadata, and

wherein the search module locates the URL after the received external digital content metadata is converted by the mapping module.

2. (currently amended): An apparatus operable to convert digital content metadata comprising:

a mapping module for converting received external digital content metadata into digital content metadata peculiar to a network; and

a search module for locating a Uniform Resource Locator (URL) using a unique identifier, pre-assigned assigned to each program, in the received external digital content metadata, said URL accessing a program in the received external digital content metadata, and wherein the search module locates the URL after the received external digital content metadata is converted by the mapping module.~~The apparatus as claimed in claim 1,~~

wherein the digital content metadata received external to the network is TV-Anytime metadata, the digital content metadata peculiar to the network is Universal Plug and Play (UPnP) Content Directory service (CDS) metadata, and the unique identifier is a Content Reference Identifier (CRID).

3. (canceled).

4. (currently amended): A network apparatus operable to convert digital content metadata comprising:

a metadata receiving unit for receiving digital content metadata external to the network;
a converter for converting the received external digital content metadata into the digital content metadata peculiar to the network by causing the external digital content metadata received in the metadata receiving unit to be mapped into the peculiar digital content metadata in a predetermined manner and by locating a Uniform Resource Locator (URL) using a unique identifier, wherein the unique identifier is pre-assigned to each program and is in a format of the received external digital content metadata and without further conversion into the metadata peculiar to the network, identifies said URL~~pre-assigned to each program, in the received~~

~~external digital content metadata~~, wherein said URL accesses a program in the received external digital content metadata, and wherein the URL is located after the received external digital content metadata is mapped into the peculiar digital content metadata; and

a storage unit for storing the converted digital content metadata therein to allow devices in the network to use the converted digital content metadata.

5. (original): The apparatus as claimed in claim 4, further comprising a metadata filtering unit for deleting a part or all of the converted digital content metadata stored in the storage unit according to a predetermined condition.

6. (original): The apparatus as claimed in claim 4, further comprising a processing module for analyzing and using metadata which has not been mapped into properties supported by classes of digital content metadata peculiar to an existing network among external digital content metadata mapped into the digital content metadata peculiar to the network.

7. (original): The apparatus as claimed in claim 4, wherein the received external digital content metadata is TV-Anytime metadata and the digital content metadata peculiar to the network is UPnP CDS metadata.

8. (original): The apparatus as claimed in claim 5, wherein the received external digital content metadata is TV-Anytime metadata and the digital content metadata peculiar to the network is UPnP CDS metadata.

9. (original): The apparatus as claimed in claim 6, wherein the received external digital content metadata is TV-Anytime metadata and the digital content metadata peculiar to the network is UPnP CDS metadata.

10. (canceled).

11. (currently amended): A network system, comprising:

a first network apparatus comprising

a metadata receiving unit for receiving digital content metadata external to the network;

a converter for converting the received external digital content metadata into digital content metadata peculiar to the network by causing the external digital content metadata received in the metadata receiving unit to be mapped into the peculiar digital content metadata in a predetermined manner and by locating a Uniform Resource Locator (URL) using a unique identifier, wherein the unique identifier is pre-assigned to each program and is in a format of the received external digital content metadata and without further conversion into the metadata peculiar to the network, identifies said URL pre-assigned to each program, in the received external digital content metadata, wherein said URL accesses a program in the received external digital content metadata, and wherein the URL is located after the received external digital content metadata is mapped into the peculiar digital content metadata; and

a storage unit for storing the converted digital content metadata therein to allow devices in the network to use the converted digital content metadata; and

a second network apparatus comprising a processing module for analyzing and using metadata which has not been mapped into properties supported by classes of digital content metadata peculiar to an existing network among the external digital content metadata mapped into the digital content metadata peculiar to the network.

12. (original): The network system as claimed in claim 11, wherein the received external digital content metadata is TV-Anytime metadata and the digital content metadata peculiar to the network is UPnP CDS metadata.

13. (canceled).

14. (currently amended): A method for converting digital content metadata, comprising: receiving digital content metadata external to a network; causing the received external digital content metadata to be mapped into digital content metadata peculiar to the network according to a predetermined rule; and

locating a Uniform Resource Locator (URL) using a content reference ID (CRID) in a format of the received external digital content metadata and without further conversion into the metadata peculiar to the network identifies said URL, wherein said URL accesses a relevant content in the received external digital content metadata, and wherein the locating of the URL is performed after said causing.

15. (currently amended): A method for converting digital content metadata, comprising:

receiving digital content metadata external to a network;

causing the received external digital content metadata to be mapped into digital content metadata peculiar to the network according to a predetermined rule;

locating a Uniform Resource Locator (URL) using a content reference ID (CRID) in a format of the received external digital content metadata and without further conversion into the metadata peculiar to the network identifies said URL, the received external digital content metadata, wherein said URL accesses a relevant content in the received external digital content metadata, and wherein the locating of the URL is performed after said causing; and

storing the external digital content metadata converted into the digital content metadata peculiar to the network on the basis of mapping information and the method of accessing the content.

16. (original): The method as claimed in claim 15, further comprising setting a deletion condition for a part or all of the converted digital content metadata, and locating and deleting metadata satisfying the deletion condition from the converted external digital content metadata.

17. (original): The method as claimed in claim 14, wherein the received external digital content metadata is TV-Anytime metadata and the digital content metadata peculiar to the

network is UPnP CDS metadata.

18. (original): The method as claimed in any of claim 15, wherein the received external digital content metadata is TV-Anytime metadata and the digital content metadata peculiar to the network is UPnP CDS metadata.

19. (original): The method as claimed in any of claim 16, wherein the received external digital content metadata is TV-Anytime metadata and the digital content metadata peculiar to the network is UPnP CDS metadata.

20. (canceled).

21. (previously presented): The apparatus of claim 1, wherein the mapping module converts the received external digital content metadata into the digital content metadata peculiar to the network by mapping the external digital content metadata into classes of the digital content metadata peculiar to the network.

22. (previously presented): The apparatus of claim 1, wherein the mapping module converts the received external digital content metadata into the digital content metadata peculiar to the network by defining a new class of the digital content metadata peculiar to the network, said new class corresponding to the received external digital content metadata.

23. (currently amended): The apparatus of claim 1, wherein the unique identifier located in the received external digital content metadata binds information of the received external digital content metadata, ~~and~~

wherein the mapping module uses the information bound by the unique identifier for converting received external digital content metadata into digital content metadata peculiar to a network, and

wherein additional unconverted metadata from the received external digital content metadata is placed in a <desc> section, which is a section for metadata that is not defined in a class of the digital content metadata peculiar to the network.